



NSF DAY SPEAKERS (from NSF)

April 1, 2015

University of Washington, Bothell



Amy Chan-Hilton

ENG – Directorate for Engineering
Division of Engineering Education and Centers
achanhil@nsf.gov

Amy Chan-Hilton is a program director involved with the Engineering Research Centers (ERC) program and engineering education programs including Research Experience for Undergraduates (REU) and Nanotechnology Undergraduate Education (NUE). She previously served as a program director in EHR's Division of Undergraduate Education, working with the Improving Undergraduate STEM Education (IUSE: EHR), Scholarships in STEM (S-STEM), and Noyce Teacher Scholarship programs. Amy has been on the faculty of the Civil and Environmental Engineering Department Florida State University since 2000. She served as the associate chair and ABET Coordinator and is a registered Professional Engineer in environmental engineering. She received her Ph.D. in Civil Engineering from the University of Virginia and holds S.M. and S.B. degrees in Environmental Engineering and Civil Engineering from MIT.



Eric DeWeaver

GEO – Directorate for Geosciences
Division of Atmospheric and Geospace Sciences
edeweave@nsf.gov

Eric DeWeaver is a Program Director in the Climate and Large-scale Dynamics (CLD) program. His responsibilities within the CLD program include oversight of activities related to the joint US-Taiwan COSMIC satellite project. He came to NSF in 2009 from the University of Wisconsin-Madison, where he worked as an assistant professor in the Department of Atmospheric and Oceanic Science. His academic research interests include the dynamics of atmospheric circulation variability and the impact of global warming on jet streams, storm tracks, and the hydrological cycle. He also conducted research on the decline of Arctic sea ice and its impact on polar bears, which provided input to the US Department of Interior's decision to list polar bears as threatened species under the Endangered Species Act. He received his PhD in Atmospheric Science from the University of Maryland in 1999.



George Gilchrist

BIO – Directorate for Biological Sciences
Division of Environmental Biology (DEB)
ggilcri@nsf.gov

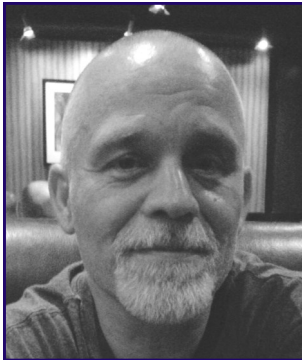
George Gilchrist is a permanent program officer in the Evolutionary Processes Cluster of the Division of Environmental Biology where he has been since 2009. In addition to his core program duties, George serves as the technical coordinator of the BEACON (BIO/Computational Evolution in Action CONSortium) Science and Technology Center at Michigan State University and also works on the Dimensions of Biodiversity program. An evolutionary biologist, his research interests focus contemporary evolution of insect populations in response to climate change. He obtained his undergraduate degree from Arizona State, a M.Sc. from Brown University and a Ph.D. from the University of Washington. He is also an Emeritus Associate Professor at The College of William and Mary in Williamsburg, Virginia.



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Tracy Kimbrel

CISE— Computer and Information Science and Engineering
Division of Computing and Communication Foundations (CCF)
tkimbrel@nsf.gov

Tracy Kimbrel leads CCF's Algorithmic Foundations (AF) program and a new program for FY 2015, Algorithms in the Field (AitF). His research efforts concern the design, analysis, and implementation of algorithms, ranging from highly theoretical to the most practical. Prior to joining NSF in 2009, Tracy was a research staff member at the IBM TJ Watson Research Center in Yorktown Heights, New York where his included basic research, the development of tools used in-house at IBM, performance improvements for IBM's product lines, and custom production software systems developed directly with users. Tracy also developed the Introduction to Algorithms class for the IBM TJ Watson Research Center's Family Science Program, which exposes elementary school children and their parents to scientific concepts and the industrial research environment. He holds Ph.D., M.S., and B.S. degrees in Computer Science, all from the University of Washington.



Jeremy Leffler

BFA—Budget, Finance and Award Management
Division of Institution and Award Support
jleffler@nsf.gov

Jeremy Leffler is the outreach specialist in BFA's Policy Office. He is primarily responsible for the development and implementation of communications strategies that inform the research community and NSF staff about NSF proposal and award policies and procedures. Jeremy is responsible for directing the biannual NSF Grants Conference, coordinating NSF participation in major professional conferences for research administrators, and leading science and engineering research and education outreach programs to institutions historically underserved in the Federal funding arena.



Jan Middendorf

EHR- Directorate for Mathematics and the Physical Sciences
Divisions of Graduate Education (DGE) and Human Resource Development (HRD)
bjmidden@nsf.gov

B.Jan Middendorf is the program director of Project and Program Evaluation (PPE). She co-chairs EHR's Evaluation and Monitoring Work Group. Prior to work at NSF, she was director of the Office of Educational Innovation & Evaluation at Kansas State University. She has extensive experience in development, management, implementation, and evaluation of multi-institutional, interdisciplinary programs and projects. Jan received a Doctorate in Curriculum and Instruction from the College of Education at Kansas State University; an *Evaluation Certificate of Practice* from George Washington University; an M.A. in international affairs from Ohio University, and a B.S. in Business Administration from the University of Rhode Island. She has also served as a Peace Corps Volunteer in Honduras, an external evaluator for Comfort the Children International (CTC), and later in community service-learning programs in the British Virgin Islands.



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Susan Mason

OLPA - Office of the Director's Office of Legislative and Public Affairs
External Affairs

smason@nsf.gov

Susan Mason joined the National Science Foundation as a legislative specialist in 1990, rising to become head of External Affairs in 2000. Among her other achievements, she was director of Congressional relations at the National Archives & Records Administration, Congressional relations specialist at the Civil Aeronautics Board, and early in her career, she produced and directed a monthly, two-hour, live radio program, organized major concerts, and arranged station promotions and contests for KSON AM & FM in La Mesa, CA. As head of External Affairs for NSF, Susan audits and plans strategic communications, as well as develops/produces media programs, media relations initiatives, and communication training programs.



Robert O'Connor

SBE—Social Behavioral Economic Sciences
Social and Economic Sciences (SES)

roconnor@nsf.gov

Robert O'Connor has been directing the Decision, Risk and Management Sciences Program since 2001. Bob also serves on the management teams for the Decision Making under Uncertainty for Climate Change centers and two competitions: Hazards, and Critical Resilient Infrastructure Systems and Processes. Prior to coming to NSF, Bob was a professor of political science at the Pennsylvania State University. His research focused on public perceptions of cumulative, uncertain long-term risks such as climate change. He earned his undergraduate degree at Johns Hopkins University and his doctorate in political science at the University of North Carolina at Chapel Hill.



Randy Phelps

OIIA - Office of International and Integrative Activities
Integrative Activities

Rphelps@nsf.gov

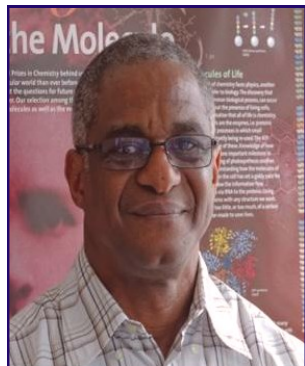
Randy Phelps is a staff associate in the Office of Integrative Activities. His major responsibilities include co-coordination of the NSFwide Major Research Instrumentation (MRI) program and the Science and the Science and Technology Center (STC) program. He recently co-chaired the Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE) Working Group, with which he remains actively involved. Randy was previously the program director for Galactic Astronomy and for Education and Special Programs in the Division of Astronomical Sciences while on leave from the California State University, Sacramento, where he served as a full professor in the Department of Physics and Astronomy. He also held an adjunct associate professor position at the University of California, Davis and a visiting assistant professor position at Oberlin College.



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David Rockcliffe

MPS— Math and the Physical Sciences

Division of Chemistry

sscheine@nsf.gov

David Rockcliffe is a program director in MPS's Division of Chemistry and manages the Chemistry of Life Processes Program, prior to which David was a program director in the Division of Molecular and Cellular Biosciences (MCB) in NSF's Directorate for Biological Sciences. There he managed the structural and mechanistic biochemistry programs. Prior to joining NSF, David was a faculty member in the Division of Mathematics and Sciences at Kentucky State University where his research interest was in metallobiochemistry



Nancy Roddy

OIRM—Office of Information Resource Management

Human Resource Management (HRM) Division.

sscheine@nsf.gov

Nancy Roddy is the Advisor for Special Programs in the Office of Information Resource Management (OIRM) Human Resource Management (HRM) Division. Ms. Roddy is a member of the HRM Senior Staff and is responsible for a variety of projects and programs including contracts, internal controls, social media recruitment, diversity reporting, and marketing/outreach. Ms. Roddy has a M. Ed in Guidance and Counseling from Campbell University and a B.A. in English from Stetson University. She is a Senior Fellow with the Partnership for Public Service and a graduate of the Federal Executive Institute.



Lisa-Joy Zgorski

OLPA - Office of the Director's Office of Legislative and Public Affairs

External Affairs

lisajoy@nsf.gov

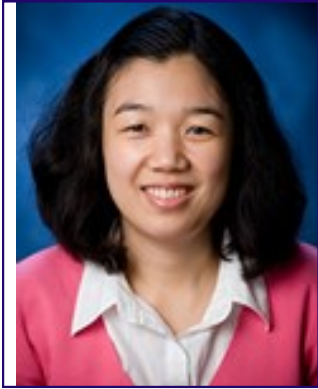
Lisa-Joy Zgorski is a public affairs specialist and NSF Days lead. Since joining the National Science Foundation in 2007, she has received Director's Awards for work with CISE and for supporting the National Science Board. Her other beats have included OIIA, SBE and Physics and Astronomy in MPS. Among her career highlights, Lisa-Joy served as a legislative aide for U.S. Rep. Barbara Kennelly (CT); press secretary for the U.S. Patent and Trademark Office and (then-gubernatorial candidate) Gov. Dannel Malloy of Connecticut, and as a public affairs specialist in the press offices of Commerce Secretary Ron Brown, the Office of Management and Budget and The Century Foundation. She holds an MPP from Harvard's Kennedy School of Government, a B.A. from Mount Holyoke College; and certificates in policy studies from Dartmouth College and from the Charles University Law Faculty in Prague.



NSF DAY SPEAKERS (from UWB)

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Hazeline U. Asuncion

Assistant Professor at Computing and Software Systems
University of Washington Bothell
hazeline@u.washington.edu

Hazeline Asuncion is an assistant professor at the Computing and Software Systems Division of UWB's School of STEM. Her research on software traceability and data provenance is supported by U.S. National Science Foundation grants, including an NSF Career award. She received her Ph.D. from the University of California, where she was next a postdoctoral researcher in its Institute for Software Research. She worked in industry in a variety of roles: as a software engineer at Unisys Corporation and as a traceability engineer at Wonderware Corporation where she designed a successful in-house traceability system.



Warren Buck

Full Professor of Physics and Chancellor Emeritus
University of Washington Bothell
wbuck@uwb.edu

Warren W. Buck is a full professor of physics and chancellor emeritus (inaugural chancellor). He was previously the director of the Science and Technology Program at UWB who managed the strategy to evolve into a School of STEM. His connections to NSF are many and include PI/director of the NSF CREST funded Nuclear/High Energy Physics Research Center of Excellence at Hampton University; and presently a second term member of NSF's Business and Operations Advisory Committee. Awards include Giant in Science, an honorary Doctor of Science degree from William and Mary, a History Maker, and Fellow of the American Physical Society. He also served on the Board of Trustees of the Pacific Northwest University of Health Sciences in Yakima, Washington.



Kristina Hillesland

UW Assistant Professor Microbial Evolution and Evolutionary Ecology
University of Washington Bothell
hilleskl@uw.edu

Kristina Hillesland, a nationally recognized expert in microbial mutualism, uses micro-organisms to study the process of coevolution, where species affect each other's evolution through their interactions with one another. Much research on coevolution has focused on antagonistic interactions between species, but many species also rely on mutually beneficial interactions for survival. To test whether the dynamics and outcome of coevolution are the same when driven by mutualism, she forced a bacteria and archaea into a mutualistic interaction and has been observing their evolution in the laboratory for thousands of generations. Kristina received her Ph.D. in Microbiology and Molecular Genetics at Michigan



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Carrie Tzou

Assistant Professor of Education, School of Educational Studies
University of Washington Bothell

CTzou@uwb.edu

Carrie Tzou works at the intersection of science education, learning science, and youth identity formation. She has designed learning environments to connect youths' everyday practices with contemporary scientific practices to support identity shifts in elementary and high school youth. Carrie is a PI on an NSF AISL grant: *Badges for College Credit (BCC): Motivating learning in informal science programs through a digital badge system* and serves as a co-PI on an NSF ISE grant: *Project STEAM: Integrating Art with Science to Build Science Identities among Girls*. Carrie earned her B.S. in Biology and B.A in English from Stanford University, M.S. in Science Education from Vanderbilt and her Ph.D. in learning studies from Northwestern University.



Wolf Yeigh

Chancellor
University of Washington Bothell

Wolf Yeigh is the third chancellor of University of Washington Bothell. Prior to joining UWB, Yeigh was professor and president of SUNY Institute of Technology. He held the positions of VP for academic affairs (Norwich), engineering dean (Saint Louis), and assistant provost for science and technology (Yale). He was on the faculty at Ohio State University. He holds the following degrees: Ph.D. in civil engineering, graduate certificate in science policy (Princeton); M.S. in mechanical engineering (Stanford); and A.B. in engineering science (Dartmouth). He was elected a fellow of the ASME and serves on several engineering, economic development, public policy and education boards.